

Embodiments of the present invention provide an electromagnetic shielding device which, by design, is easily manufactured and assembled. Further, the design of the connection points of the electromagnetic shield suppresses the leakage of electromagnetic waves, thus, improving the effectiveness of the electromagnetic shield. The electromagnetic shield includes a metal plate portion and a metal foil portion. The metal foil is deformed on the edges in manner so that the deformed edges snugly fit into a hole formed on the edges of the metal plate. Thus, a tight fit between the metal plate and foil is accomplished, providing the benefits described above.

In contrast, Murakami discloses an electromagnetic shielding device that has a shield (5) having a leg portion (9), a tongue portion (8) and a chassis portion (2). See column 4, lines 52-55. The leg portion is tightly held between a long side (2a) of the chassis and a side (3a) of a covering. See column 4, lines 63 to column 5, line 3.

The Examiner alleges that the leg portion and the chassis of Murakami are respectively the same as the metal foil and metal plate of the present invention. Applicants respectfully disagree with this allegation. The protrusion of Applicants' invention is formed by deforming the metal foil along an edge of the metal foil, as recited in claim 1. In contrast, the tongue portion of Murakami is provided in the slot (4) of the chassis and is not provided on the edge of the leg

portion. See Fig. 6. Further, the slot provided on the chassis is not located on an edge and is an elongated rectangular section and not a hole. Moreover, the protrusion of Applicants' invention is formed so that it is fitted into the hole. The tongue of Murakami is merely placed into the slot and not fitted.

Therefore, Murakami does not disclose an electromagnetic shield comprising a metal foil and a metal plate that are connected to each other, wherein at a connecting portion of the metal foil and the metal plate, a protrusion, formed by deforming the metal foil along an edge of the metal foil, is fitted between an hole formed along an edge of the metal plate, as recited in claim 1.

Further, in regard to claim 5, Murakami fails to disclose a protrusion part that is pressed toward a metal plate. Murakami merely discloses a screw that fastens the covering to the chassis. The screw does not protrude through the leg portion. See column 4, lines 64 to column 5, line 2. Also, the top end (8a) of the tongue of Murakami is springy and contacts the circuit board. See column 4, lines 56-62.

Therefore, Murakami fails to disclose, *inter alia*, a metal foil and a metal plate that are connected to each other, wherein at a connecting point of the metal foil and the metal plate, a protrusion, formed by deforming the metal foil, is formed on the metal foil and at a position apart from the protrusion in the

connecting portion, said metal foil and the metal plate being fastened to each other with a screw so that the protrusion is pressed toward the metal plate, as recited in claim 5.

Furthermore, claims 2-7, 9, 10 and 21 are likewise distinguishable over the cited references, for at least the reasons above as well as for the additional features they recite.

In view of the above, reconsideration and withdrawal of the rejection are respectfully requested.

#### **CONCLUSION**

For at least these reasons, it is respectfully submitted that claims 1-7, 9, 10 and 21 are distinguishable over the cited reference. Favorable consideration and prompt allowance are earnestly solicited.

Should the Examiner believe that anything further is necessary in order to place the application in condition for allowance, the Examiner is invited to contact the applicant's representative at the number listed below.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit

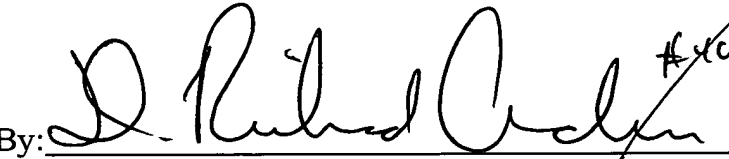
Appln. No. 09/915,503

Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Respectfully submitted,

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By:

A handwritten signature in black ink, appearing to read "Michael K. Mutter", is written over a horizontal line. To the right of the signature, the number "40,479" is handwritten.

Michael K. Mutter

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